

Contributors to this Issue

SIDNEY DARLINGTON, B.S., Harvard University, 1928; B.S. in E.E., Massachusetts Institute of Technology, 1929; Ph.D., Columbia University, 1940. Bell Telephone Laboratories, 1929-. Dr. Darlington has been engaged in research in applied mathematics with emphasis on network theory.

PAUL G. EDWARDS, B.E.E., Ohio State University, 1924; E.E., Ohio State University, 1929. Western Union Telegraph Company, 1919-22; American Telephone and Telegraph Company, 1922-34; Bell Telephone Laboratories, 1934-. His main concern in the Laboratories has been with toll transmission problems, including voice frequency and carrier systems. Member of the I.R.E., A.I.E.E., Sigma Xi, Tau Beta Pi, and Eta Kappa Nu.

C. W. HARRISON, B.S. in E.E., Purdue University, 1938; M.S., Lehigh University, 1940. Bamherger Broadacasting Company, 1939-41. Bell Telephone Laboratories, 1941-. Mr. Harrison is a member of the television research group. He formerly designed radio receivers and, later, microwave relay repeaters. Member of the I.R.E.

JOHN L. HYSKO, B.S. in E.E., Cooper Union, 1921. U. S. Army, 1918-19. Bell Telephone Laboratories, 1919-. Mr. Hysko's principal activities in the Laboratories have been in the development of amplitude-modulation and frequency-shift carrier telegraph systems for land line, radio teletypewriter and submarine cable applications.

EDWIN F. KINGSBURY, B.S., Colgate University, 1910. United Gas Improvement Company, 1910-18. U. S. Army, 1918-19. Eastman Kodak Company, 1919-20. Bell Telephone Laboratories, 1920-51. Mr. Kingsbury retired in 1951 after a career which was primarily concerned with television research and development, especially that part dealing with photoelectric and electrooptical problems. Member of the Franklin Institute, the Optical Society of America, and Phi Beta Kappa; Fellow of the American Physical Society and the American Association for the Advancement of Science.

ERNEST R. KRETZMER, B.S., Worcester Polytechnic Institute, 1944; M.S., Massachusetts Institute of Technology, 1946; Sc.D., Massachusetts Institute of Technology, 1949. As a member of the Electrical Engineering Department at Massachusetts Institute of Technology, Dr. Kretzmer taught from 1944-46 and conducted research there from 1946-49. Bell Telephone Laboratories, 1949-. He works in the television research group, where he has been principally concerned with decorrelation of television signals. Member of I.R.E. and Sigma Xi.

I. R. MONTFORT, E.E., University of Virginia, 1926; American Telephone and Telegraph Company 1926-34; Bell Telephone Laboratories, 1934-. Mr. Montfort has been concerned with the engineering of carrier systems. This has included field work with new systems and field tests prior to the design of new systems. During the end of World War II and for a short time thereafter, he assisted in the engineering and testing of microwave radio systems. Member of A.I.E.E., Tau Beta Pi, Theta Tau, and Sigma Phi Epsilon.

RUSSELL S. OHL, B.S. in Electro-Chemical Engineering, Pennsylvania State College, 1918; U. S. Army, 1918 (2nd Lieutenant, Signal Corps); Vacuum tube development, Westinghouse Lamp Company, 1919-21; Instructor in Physics, University of Colorado, 1921-1922. Department of Development and Research, American Telephone and Telegraph Company, 1922-27; Bell Telephone Laboratories, 1927-. Mr. Ohl has been engaged in various exploratory phases of radio research, the results of which have led to numerous patents. For the past ten or more years he has been working on some of the problems encountered in the use of millimeter radio waves. Member of American Physical Society and Alpha Chi Sigma and Senior Member of the I.R.E.

B. M. OLIVER, B.A., Stanford University, 1935; M.S., California Institute of Technology, 1936; Ph.D., California Institute of Technology, 1939. Bell Telephone Laboratories, 1939-52. During World War II, Dr. Oliver was engaged in radar research and the rest of his employment before leaving the laboratories was in the television research group. Member of I.R.E. and Phi Beta Kappa.

WILTON T. REA, B.S., Princeton University, 1926; American Telephone and Telegraph Company, 1926-34; Bell Telephone Laboratories, 1934-. Except for the years 1941-45, when he worked on military projects. Mr. Rea has been principally concerned with telegraphy. As Tele-

graph Development Engineer, he is in charge of the development of telegraph and telephotograph systems. Senior member of I.R.E. and member of A.I.E.E. and Phi Beta Kappa.

L. C. ROBERTS, A.B., Harvard University, 1916; B.S. in E.E., Harvard University, 1919; B.S. in E.E., Massachusetts Institute of Technology, 1918; American Telephone and Telegraph Company, 1917-34; Bell Telephone Laboratories, 1934-. Mr. Roberts has been primarily concerned with the development of dc and carrier telegraph except during World War II when he worked on multichannel and single-channel radio teletypewriter developments. Member of A.I.E.E.

S. A. SCHELKUNOFF, B.A., M.A. in Mathematics, The State College of Washington, 1923; Ph.D. in Mathematics, Columbia University, 1928. Engineering Department, Western Electric Company, 1923-25; Bell Telephone Laboratories, 1925-26. Department of Mathematics, State College of Washington, 1926-29. Bell Telephone Laboratories, 1929-. Dr. Schelkunoff has been engaged in mathematical research, especially in the field of electromagnetic theory.